

# Memorandum

California Regional Water  
Quality Control Board  
4324 East Shields Ave., Room 18  
Fresno, California 93726

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U.S.E.P.A.  
REGION 9  
COMM CNTR

September 27, 1983

SEP 29 10 57 AM '83 Disposal project  
expansion

From: Department of Conservation—  
Division of Oil and Gas

Place: Bakersfield

Attached is an application from Gulf Oil Corp. to ~~conduct~~ <sup>expand</sup> a  
H<sub>2</sub>O Disposal project in the Etchegoin zone(s) in the  
Main area, Fruitvale field.

The operator proposes to ~~convert~~ <sup>expand</sup> well(s) "KCL-B" 18  
to injection by plugging back producing zone and  
perforating Etchegoin. Additional details are:

1. Geology - interbedded sands & shales.
2. Analysis of zone fluid - 1944.6 ppm TDS.
3. Analysis of injection fluids - 3523 ppm TDS.
4. Wells within the project area have been reviewed and found to be of a satisfactory condition, capable of preventing vertical migration of fluid up casing annulus.
5. See attached map for proposed well location and area of review.

Additional supportive data, which are interpretive and therefore confidential, are available for your inspection at this office.

The proposed injection zone has been exempted by the EPA.

Please submit to this office any comments you may have on this proposed project. Your comments are due within 14 calendar days from the date of this letter.

Yours Truly,



Dave Clark  
Associate Oil & Gas Engineer

# Gulf Oil Exploration and Production Company

J. L. Goolsby  
AREA REPRESENTATIVE, MANAGER

September 23, 1983

P. O. Box 1392  
Bakersfield, CA 93302

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BAKERSFIELD

STATE OF CALIFORNIA  
DIVISION OF OIL & GAS  
4800 Stockdale Hwy., Suite 417  
Bakersfield, CA 93309

FRUITVALE FIELD  
KERN COUNTY, CALIFORNIA  
WELL: KCL-B #18  
SECTION 22, T29S, R27E, M.D.B. & M.

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Gentlemen:

Enclosed for your approval are revised copies of the Notice of Intention to Rework Well for converting the above referenced well to a wastewater disposal well. The change in completion interval is detailed in the attached program. Also enclosed are copies of the letter of notification to offset operators, an analysis of the injection water, cross-section and contour maps.

The purpose of this project is to convert this non-productive well to a wastewater disposal well. The source of the injection water is from the KCL-B tank battery, of which a water analysis is attached. An analysis of the fluid in the injection zone will be taken when the zone is perforated.

The injection zone will be completed in the Lower Etchegoin Formation of the Plio-Miocene Age, with an expected thickness of approximately 120'.

Approximately 3000 barrels of water per day will be injected down the tubing with the annulus isolated by a packer set at 3060'. The maximum injection pressure will not exceed 1116 psi. The base of fresh water is found at approximately 3000'.

An annual water migration survey will be run to insure the injection fluid is confined to the injection zone and no damage is occurring.



A DIVISION OF GULF OIL CORPORATION

TELEPHONE (805) 395 631  
TELEX 910 327 118

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BAKERSFIELD

STATE OF CALIFORNIA  
DIVISION OF OIL & GAS  
September 23, 1983  
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The injection water will first pass through a free water knockout, then pumped through a Wemco unit to skim off oil and a sand filter unit to filter out solids and remaining oil.

If additional information is required, please call Margaret Berry at 395-6242.

Sincerely,

*R.R. Green*

*for* F. W. MIZE  
SENIOR ENVIRONMENTAL  
AND SAFETY ADVISOR

MAB:mm

Enclosures

DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

Notice of Intention to Rework Well

This notice and indemnity or cash bond shall be filed, and approval given, before rework begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

FOR DIVISION USE ONLY		
BOND	FORMS	
	OGD 114	OGD 121

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to rework well KCL-B #18, API No. \_\_\_\_\_

Sec. 22, T. 29S, R. 27E, MD B. & M., FRUITVALE Field, KERN County.

The present condition of the well is as follows:

1. Total depth 3590'  
PBSD: 3390'
2. Complete casing record, including plugs and perforations

0-512', 12-1/2", 45#  
0-1170', 8-5/8", 36#  
1058-3520', 7", 20 & 26#  
Whipstock: Kickoff at 2100', 4th redrill  
PERFS: 4 - 0.38" JHPF 3313-3317', 3321-3325'  
2 - 0.5" JHPF 3314-3318', 3345-3349', 3355-3359', 3372-3377'

3. Present producing zone name \_\_\_\_\_; Zone in which well is to be recompleted \_\_\_\_\_
4. Present zone pressure \_\_\_\_\_; New zone pressure \_\_\_\_\_
5. Last produced \_\_\_\_\_ (Date) \_\_\_\_\_ (Oil, B/D) \_\_\_\_\_ (Water, B/D) \_\_\_\_\_ (Gas, Mcf/D)  
(or)  
Last injected \_\_\_\_\_ (Date) \_\_\_\_\_ (Water, B/D) \_\_\_\_\_ (Gas, Mcf/D) \_\_\_\_\_ (Surface pressure, psig)

The proposed work is as follows:

PLEASE SEE ATTACHED PROCEDURE TO CONVERT THIS WELL TO A WASTE WATER DISPOSAL WELL.

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address P. O. BOX 1392  
(Street)  
BAKERSFIELD, CA 93302  
(City) (State) (Zip)  
Telephone Number 395-6311

GULF OIL CORPORATION  
(Name of Operator)  
By F. W. MIZE  
(Print Name)  
[Signature] 8/26/83  
(Signature) (Date)

cc: B.G. Iverson, S. E. Fisher, J. W. Randall, M. A. Berry, Well File

